

Westport™

LNG System for Heavy-Duty Trucks



WESTPORT LNG SYSTEM FOR HEAVY-DUTY TRUCKS

The Westport liquefied natural gas (LNG) system for heavy-duty trucks offers class-leading emissions performance while maintaining equal horsepower, torque, and efficiency to a diesel-fueled engine. The application of the Westport LNG system to the Cummins ISX engine substantially reduces greenhouse gases (GHG) and other air contaminant emissions to well below standards set by the U.S. Environmental Protection Agency (EPA) for 2007 heavy-duty on-road applications.

EMISSIONS SAVINGS

2007 U.S. EPA & CARB Certification
(reduction over diesel equivalent)

**33% less
NOx**

**~20% less
GHG**

The Westport engine is fueled with LNG—a safe, cost effective, low carbon, and low emissions fuel. Westport provides operators with fuel capacities ranging from 33 to 112 diesel equivalent gallons (DEG). With matching

or better fuel efficiency (depending on operation), vehicle range can be tailored to suit operator applications.

Available as a factory assembled LNG Kenworth T800 in 2009. Other models and OEM compatibility available today via specialized Westport “upfit” assembly. Contact Westport for more information.

ENGINE RATINGS

Four engine ratings are offered, two with Smart Torque compatibility.

| Engine Model | Advertised Horsepower (hp) | Peak Torque (lb-ft) |
|--------------|----------------------------|---------------------------|
| 450ST* | 450 | 1,550 / 1,750 @ 1,200 RPM |
| 450 | 450 | 1,650 @ 1,200 RPM |
| 400ST* | 400 | 1,450 / 1,650 @ 1,200 RPM |
| 400 | 400 | 1,450 @ 1,200 RPM |

* Smart Torque ratings

Westport offers the LNG engine and fuel system for use in various applications. Current applications include port trucks, heavy-haul trucks, refuse transfer, dump trucks, roll-offs, line-haul, and other vocational applications.

WESTPORT SALES FACILITATION

The Westport sales team can provide customers with information on local and federal funding, fueling infrastructure and suppliers, and technical assistance for evaluating the use of natural gas in a fleet.

Westport supplies a turn-key system that includes:

- LNG fuel tanks
- patented injectors, controllers, and related fuel system components
- full engine warranty (custom extended warranty packages upon request)
- basic driver training
- service and maintenance

FUNDING

Purchasers of vehicles operating on the Westport LNG System for Heavy-Duty Trucks qualify for an Alternative Fuel Motor Vehicle Credit—a U.S. tax credit of \$28,800 per truck. There are also various additional state funding incentives available for alternative fueled vehicles. Please contact a Westport representative or email funding@westport.com for enquiries into specific incentive opportunities.

WARRANTY PERIOD

| Item | Warranty Coverage (whichever occurs first) | | |
|-----------------------------|---|---------|--------------------|
| | Months | Miles | Hours of Operation |
| Base Engine ¹ | 24 | 250,000 | 6,250 |
| HPDI Injectors | 24 | 125,000 | 3,125 |
| LNG Components ² | 24 | 250,000 | 6,250 |

1. Engine components exclusive of the HPDI system fuel injectors

2. The liquefied natural gas storage and delivery system

ABOUT WESTPORT

Westport Innovations Inc. (Westport) is a leading global supplier of proprietary solutions that allow engines to operate on clean-burning fuels such as natural gas, hydrogen and biofuels such as biomethane or landfill gas. Cummins Westport Inc., a Westport joint venture with Cummins Inc., manufactures and sells the world's broadest range of low-emissions alternative fuel spark-ignited engines for commercial transportation applications such as trucks and buses. Since 2006, Westport has commercialized a direct injection natural gas alternative for Class 8 heavy-duty trucks. This product is sold directly through Westport and is offered in engine ratings of 400 and 450 horsepower.

CONTACT INFORMATION

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